

IFWsrch.txt

<http://www.google.com/>

"partially orthogonal" n-dimensional object

"partially orthogonal" "n-dimensional" object

"partially orthogonal" "neural network"

"partially orthogonal" "n-dimensional" "neural network"

hyperspace "mathematical projection"

"A General Technique for Smoothing Multi-Dimensional Datasets Utilizing Orthogonal Expansions and Lower Dimensional Smoothers."

"Multidimensional Smoothing Using Orthogonal Expansions."

"Subdivisions of n-dimensional spaces, and n-dimensional generalized maps."

"Rapid Learning with a Hybrid Neural Network".

"terminal cycle" wikipedia

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L8	40	("1079504" "2632058" "4313159" "4475156" "4721952" "4855903" "4887878" "4905163" "4918600" "4922415" "5189416" "5195172" "5202981").PN. OR ("5301284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/29 12:53
L9	69	((("6310966") or ("6633844") or ("6836773") or ("6871287") or ("6898299") or ("6920231") or ("5497430") or ("5787186") or ("5497430") or ("5787186") or ("5859930") or ("6038337") or ("6073115") or ("6108004") or ("4803736") or ("5040214") or ("5371810") or ("5554983") or ("5579409") or ("5675746") or ("5757287") or ("5768421") or ("5774878") or ("5963653") or ("20030191627") or ("6724931") or ("6778970") or ("6069696") or ("6236749") or ("6466695") or ("6529614") or ("6549661") or ("6564198") or ("6625317") or ("6629097") or ("5278751") or ("6233575") or ("6108004") or ("5675746") or ("5774878") or ("20050157909")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/29 11:25
L10	43	(US-20030191627-\$).did. or (US-5296935-\$ or US-6421453-\$ or US-5920644-\$ or US-4852018-\$ or US-5301284-\$ or US-7266725-\$ or US-7188091-\$ or US-7003660-\$ or US-6965887-\$ or US-5729754-\$ or US-6871287-\$ or US-6108004-\$ or US-6233575-\$ or US-6836773-\$ or US-6629097-\$ or US-6564198-\$ or US-6778970-\$ or US-5774878-\$ or US-5768421-\$ or US-5859930-\$ or US-6549661-\$ or US-5371810-\$ or US-5040214-\$ or US-6633844-\$ or US-5278751-\$ or US-6073115-\$).did. or (US-5675746-\$ or US-6920231-\$ or US-6898299-\$ or US-6310966-\$ or US-5787186-\$ or US-6236749-\$ or US-6724931-\$ or US-6038337-\$ or US-5497430-\$ or US-4803736-\$ or US-6466695-\$ or US-5579409-\$ or US-6625317-\$ or US-5195172-\$ or US-4905163-\$ or US-4855903-\$).did.	US-PGPUB; USPAT	OR	ON	2008/01/29 11:25
L11	25	("5408585" "5450504" "5497430").PN. OR ("6038337").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/29 11:25
L12	60	(L8 L9 L10 L11) AND ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI)	US-PGPUB; USPAT	OR	ON	2008/01/29 11:40
L13	0	(L8 L9 L10 L11) AND ((excite excited exciting excitation stimuli stimulate stimulated stimulating) WITH (train trained training trainer teach taught teaching teacher))	US-PGPUB; USPAT	OR	ON	2008/01/29 12:28
L14	27	((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI) SAME (Orthogonal WITH (space cardinality (degrees ADJ3 freedom) dimension dimensional (multi ADJ (dimension dimensional)) multi\$1dimension multi\$1dimensional "2"\$1Dimensional "2"\$1D two\$1dimensional two\$1D bi\$1Dimensional biDimensional "3"\$1Dimensional "3"\$1D three\$1dimensional three\$1D tri\$1Dimensional triDimensional space (rectangular adj2 coordinates) (Cartesian adj3 coordinates))) AND ((report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publishing publicize documentation document documented documenting) WITH (excite excited exciting excitation stimuli stimulate stimulated stimulating GRAPHICS text aural sound speech vibration kinesthetic))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/29 12:57
L15	4	(L8 L9 L10 L11) AND ((USER personnel PEOPLE PERSON INDIVIDUAL WORKER EMPLOYEE MEMBER STUDENT PARTICIPANT SUBSCRIBER CUSTOMER CONSUMER REQUESTER VISITOR GUEST PLAYER OPERATOR BROWSER SURFER) with (ID identification identify identified identifying tag tagged tagging Markup Mark\$1up Mark Marked Marking label labeled labelled labeling labelling name named naming)) with (handwriting hand\$1writing Penmanship speech voice sound pitch)	US-PGPUB; USPAT	OR	ON	2008/01/29 12:49

EAST Search History

L16	0	14 AND ((USER personnel PEOPLE PERSON INDIVIDUAL WORKER EMPLOYEE MEMBER STUDENT PARTICIPANT SUBSCRIBER CUSTOMER CONSUMER REQUESTER VISITOR GUEST PLAYER OPERATOR BROWSER SURFER) with (ID identification identify identified identifying tag tagged tagging Markup Mark\$1up Mark Marked Marking label labeled labelled labeling labelling name named naming)) with (handwriting hand\$1writing Penmanship speech voice sound pitch)	US-PGPUB; USPAT	OR	ON	2008/01/29 12:28
L17	3	12 15	US-PGPUB; USPAT	AND	ON	2008/01/29 12:48
L18	0	14 AND ((USER personnel PEOPLE PERSON INDIVIDUAL WORKER EMPLOYEE MEMBER STUDENT PARTICIPANT SUBSCRIBER CUSTOMER CONSUMER REQUESTER VISITOR GUEST PLAYER OPERATOR BROWSER SURFER) with (ID identification identify identified identifying tag tagged tagging Markup Mark\$1up Mark Marked Marking label labeled labelled labeling labelling name named naming)) with (handwriting hand\$1writing Penmanship speech voice sound pitch)	US-PGPUB; USPAT	OR	ON	2008/01/29 13:01
L19	2	17 AND Orthogonal	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/29 12:53

EAST Search History

L27	768	("3609684" "3849760" "3928719" "3967241" "3993976" "4025851" "4100370" "4117511" "4118730" "4148061" "4203076" "4208652" "4213183" "4225850" "4228421" "4230990" "4244043" "4245245" "4264924" "4264925" "4298889" "4305131" "4331974" "4337529" "4338626" "4346407" "4390904" "4395780" "4417246" "4420769" "4439788" "4450531" "4451825" "4476584" "4486832" "4499601" "4506301" "4511918" "4519086" "4535453" "4546382" "4546387" "4547899" "4558464" "4573072" "4575755" "4581762" "4593367" "4602279" "4603349" "4621285" "4646250" "4653109" "4658370" "4658429" "4672683" "4677466" "4679137" "4682365" "4695975" "4697209" "4706121" "4716404" "4739398" "4745549" "4747148" "4752890" "4760604" "4764973" "4769697" "4771467" "4773024" "4774677" "4775935" "4780759" "4783741" "4783752" "4783754" "4783829" "4789933" "4799270" "4802103" "4802230" "4803736" "4805224" "4805225" "4809331" "4817171" "4817176" "4829453" "4831659" "4837842" "4841575" "4843562" "4843631" "4845610" "4847698" "4847699" "4847700" "4862015" "4876731" "4878179" "4881270" "4884217" "4887304" "4888814" "4891762" "4893346" "4894734" "4902986" "4905162" "4905163" "4905286" "4906940" "4908713" "4908758" "4912433" "4912648" "4914708" "4918516" "4920499" "4930160" "4931926" "4931985" "4941193" PN. OR ("4944023" "4949187" "4954824" "4956870" "4958220" "4958375" "4963994" "4964077" "4965725" "4967273" "4972499" "4977455" "4979222" "4982344" "4984255" "4987604" "4989256" "4989258" "4992940" "4992972" "4995078" "4998286" "5012334" "5014219" "5014327" "5018169" "5018218" "5018219" "5019899" "5020112" "5020113" "5021976" "5022062" "5025310" "5027400" "5028888" "5031224" "5031228" "5033101" "5034991" "5038379" "5038390" "5040134" "5041967" "5043881" "5046113" "5047867" "5048095" "5048100" "5051817" "5051998" "5052045" "5054101" "5058183" "5058184" "5060277" "5060278" "5063601" "5063602" "5063603" "5065440" "5065447" "5067160" "5067161" "5067162" "5067164" "5067166" "5068664" "5068723" "5068724" "5068744" "5075771" "5076662" "5089978" "5099422" "5103498" "5109431" "5111516" "5115501" "5119475" "5119507" "5122886" "5123046" "5123057" "5123087" "5124908" "5128525" "5130792" "5132992" "5133021" "5133079" "5134719" "5136659" "5136696" "5148497" "5148522" "5151789" "5155591" "5159474" "5161204" "5168529" "5170466" "5173949" "5177796" "5179652" "5187788" "5187797" "5189630" "5192999" "5200822" "5202828" "5214504" "5220420" "5220640" "5220648" "5220674" "5222155" "5223924" "5231494" "5239617" "5241620" "5241645" "5247347" "5247433" "5247651" PN. OR ("5253061" "5255386" "5259038" "5261081" "5263167" "5263174" "5274714" "5276737" "5280530" "5283641" "5283819" "5291068" "5297204" "5297249" "5298674" "5303313" "5305197" "5307421" "5317647" "5317677" "5329611" "5343251" "5347600" "5347632" "5349670" "5351075" "5351078" "5357276" "5365282" "5373330" "5381158" "5384867" "5388198" "5390125" "5390281" "5396546" "5401946" "5410343" "5410344" "5410643" "5412773" "5414756" "5420647" "5420975" "5421008" "5425100" "5425890" "5428727" "5430552" "5430812" "5434966" "5436653" "5440400" "5444499" "5446891" "5446919" "5450490" "5455892" "5459517" "5465204" "5465308" "5465358" "5469206" "5477262" "5477447" "5479264" "5481712" "5483278" "5485219" "5485518" "5487132" "5488409" "5495537" "5496177" "5500741" "5500920" "5502774" "5504518" "5506768" "5508815" "5510838" "5511153" "5515098" "5515972" "5519452" "5521841" "5521984" "5523796" "5524065" "5526127" "5526479" "5534911" "5535302" "5535321" "5537141" "5537528" "5541638" "5544254" "5544358" "5546518" "5550928" "5550965" "5552833" "5553277" "5554983" "5555495" "5557728" "5559548" "5559549" "5559945" "5560011" "5561649" "5561718" "5561796" "5566274" "5568272" "5572246" "5574845" "5574963" "5576950" "5579471" "5581658" "5581665" "5581800" "5583560" "5583966" "5584050" "5584051" "5585885" "5588025" "5588218" "5588319" "5588319" "5588074" "5592560" "5594661" "5594911" "5600573" "5600775" "5601512" "5602655" "5602930" "5604010"	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/29 12:58
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EAST Search History

L28	53	("3557777" "3639905" "4227071" "4524692" "4926368" "4935962" "4972099" "5077804" "5245329" "5310035" "5337043" "5420405" "5453601" "5455407" "5521362" "5529307" "5544255" "5559504" "5561446" "5567276" "5644727" "5647017" "5687254" "5704355" "5715314" "5719950" "5724424" "5724524" "5768423" "5787187" "5799087" "5801367" "5802497" "5807257" "5818955" "5832089" "6507662" "D283405" "D290817").PN. OR ("6898299").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/29 12:58
L29	1	(27 28) AND ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI) SAME (Orthogonal WITH (space cardinality (degrees ADJ3 freedom) dimension dimensional (multi ADJ (dimension dimensional)) multi\$1dimension multi\$1dimensional "2"\$1Dimensional "2"\$1D two\$1dimensional two\$1D bi\$1Dimensional biDimensional "3"\$1Dimensional "3"\$1D three\$1dimensional three\$1D tri\$1Dimensional triDimensional space (rectangular adj2 coordinates) (Cartesian adj3 coordinates)))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/29 13:00
L30	8	14 AND ((USER personnel PEOPLE PERSON INDIVIDUAL WORKER EMPLOYEE MEMBER STUDENT PARTICIPANT SUBSCRIBER CUSTOMER CONSUMER REQUESTER VISITOR GUEST PLAYER OPERATOR BROWSER SURFER) AND (ID identification identify identified identifying tag tagged tagging Markup Mark\$1up Mark Marked Marking label labeled labelled labeling labelling name named naming)) AND (handwriting hand\$1writing Penmanship speech voice sound pitch)	US-PGPUB; USPAT	OR	ON	2008/01/29 13:03
L31	1	(09/280145).APP.	USPAT; USOCR	OR	ON	2008/01/29 13:06
S1	10	((("5296935") or ("6421453") or ("5920644") or ("4852018") or ("5301284")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/28 16:23
S2	40	("1079504" "2632058" "4313159" "4475156" "4721952" "4855903" "4887878" "4905163" "4918600" "4922415" "5189416" "5195172" "5202981").PN. OR ("5301284").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:18
S3	8	S2 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:20
S4	69	((("6310966") or ("6633844") or ("6836773") or ("6871287") or ("6898299") or ("6920231") or ("5497430") or ("5787186") or ("5497430") or ("5787186") or ("5859930") or ("6038337") or ("6073115") or ("6108004") or ("4803736") or ("5040214") or ("5371810") or ("5554983") or ("5579409") or ("5675746") or ("5757287") or ("5768421") or ("5774878") or ("5963653") or ("20030191627") or ("6724931") or ("6778970") or ("6069696") or ("6236749") or ("6466695") or ("6529614") or ("6549661") or ("6564198") or ("6625317") or ("6629097") or ("5278751") or ("6233575") or ("6108004") or ("5675746") or ("5774878") or ("20050157909")).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/01/28 22:14
S5	43	(US-20030191627-\$).did. or (US-5296935-\$ or US-6421453-\$ or US-5920644-\$ or US-4852018-\$ or US-5301284-\$ or US-7266725-\$ or US-7188091-\$ or US-7003660-\$ or US-6965887-\$ or US-5729754-\$ or US-6871287-\$ or US-6108004-\$ or US-6233575-\$ or US-6836773-\$ or US-6629097-\$ or US-6564198-\$ or US-6778970-\$ or US-5774878-\$ or US-5768421-\$ or US-5859930-\$ or US-6549661-\$ or US-5371810-\$ or US-5040214-\$ or US-6633844-\$ or US-5278751-\$ or US-6073115-\$).did. or (US-5675746-\$ or US-6920231-\$ or US-6898299-\$ or US-6310966-\$ or US-5787186-\$ or US-6236749-\$ or US-6724931-\$ or US-6038337-\$ or US-5497430-\$ or US-4803736-\$ or US-6466695-\$ or US-5579409-\$ or US-6625317-\$ or US-5195172-\$ or US-4905163-\$ or US-4855903-\$).did.	US-PGPUB; USPAT	OR	ON	2008/01/28 23:36

EAST Search History

S6	0	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (signal waveform wave\$1form wave) WITH (excite excited exciting excitation stimuli stimulate stimulated stimulating))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:23
S7	0	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (signal waveform wave\$1form wave) SAME (excite excited exciting excitation stimuli stimulate stimulated stimulating))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:23
S8	0	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (signal waveform wave\$1form wave)) AND (excite excited exciting excitation stimuli stimulate stimulated stimulating)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:26
S9	1	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (signal waveform wave\$1form wave))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:20
S10	0	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publishing publicize documentation document documented documenting) WITH (excite excited exciting excitation stimuli stimulate stimulated stimulating))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:23
S11	0	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publishing publicize documentation document documented documenting) SAME (excite excited exciting excitation stimuli stimulate stimulated stimulating))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:23
S12	0	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publishing publicize documentation document documented documenting)) AND (excite excited exciting excitation stimuli stimulate stimulated stimulating)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 22:26
S13	12	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publishing publicize documentation document documented documenting))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:24

EAST Search History

S14	16	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND ((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:23
S15	5	S5 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence)) AND ((report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publicizing publicize documentation document documented documenting) WITH (excite excited exciting excitation stimuli stimulate stimulated stimulating))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:21
S16	25	("5408585" "5450504" "5497430").PN. OR ("6038337").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:20
S17	16	S16 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:20
S18	1	S16 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI) AND ((report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publicizing publicize documentation document documented documenting) WITH (excite excited exciting excitation stimuli stimulate stimulated stimulating))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:21
S19	3	S16 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI) AND (((graphical ADJ user ADJ interface) graphical\$1user\$1interface GUI (user ADJ interface) user\$1interface (dialog ADJ box) dialog\$1box (dialogue ADJ box) dialogue\$1box) WITH (report reporting result inform information informing print\$3 output outputting outputting outputted display displaying account publication publicizing publicize documentation document documented documenting))	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:39
S20	7	(S2 S4 S5 S16) AND (Orthogonal WITH (space cardinality (degrees ADJ3 freedom) dimension dimensional (multi ADJ (dimension dimensional)) multi\$1dimension multi\$1dimensional "2"\$1Dimensional "2"\$1D two\$1dimensional two\$1D bi\$1Dimensional biDimensional "3"\$1Dimensional "3"\$1D three\$1dimensional three\$1D tri\$1Dimensional triDimensional space (rectangular adj2 coordinates) (Cartesian adj3 coordinates)))	US-PGPUB; USPAT	OR	ON	2008/01/29 11:54
S21	3	S20 and ((neural adj network) neural\$1network self\$1learning (self ADJ learning) (artificial adj intelligence) AI)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:43
S22	4	S20 NOT S21	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/28 23:43